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DEC 22 2003

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OFFICIAL

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TO: EXAMINER CYNTHIA E. COLLINS  
FROM: KIM M. HAGEMANN  
RE: U.S. PATENT APPLICATION SERIAL NO. 09/511,445  
ATTORNEY DOCKET NO. 1115A  
DATE: 12/22/03 FAX NUMBER: (703) 872-9306  
NUMBER OF PAGES FOLLOWING THIS SHEET: 7

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**COMMENTS:****TRANSMISSION INCLUDES THE FOLLOWING:**

Certificate of Transmission (1 Page)  
Transmittal Form (1 Page)  
Fee Transmittal for FY 2004 (1 Page)  
Amendment After Final (2 Pages)  
Statement of Common Ownership (1 Page)  
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PTO/SB/97 (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

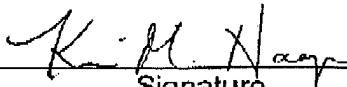
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Date



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Kim M. Hagemann

Typed or printed name of person signing Certificate

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- 1) Transmittal Form / 1 Page
- 2) Fee Transmittal Form / 1 Page
- 3) Amendment After Final Rejection/ 2 Pages
- 3) Statement of Common Ownership/ 1 Page
- 4) Terminal Disclaimer / 1 Page

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

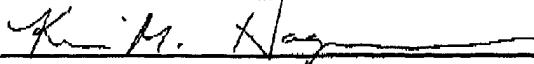
PTO/SB/21 (08-03)

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|  |   |                        |                        |
|--|---|------------------------|------------------------|
| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> |   | Application Number     | 09/511,445             |
|  |   | Filing Date            | 02/22/2000             |
|  |   | First Named Inventor   | William J. Gordon-Kamm |
|  |   | Art Unit               | 1638                   |
|  |   | Examiner Name          | Collins, Cynthia E.    |
| Total Number of Pages in This Submission   | 6 | Attorney Docket Number | 1115A                  |

|   |   |  |  |                          |
|---|---|--|--|--------------------------|
| <b>ENCLOSURES (check all that apply)</b>  |   |  |  |                          |
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><br><input type="checkbox"/> Fee Attached<br><br><input checked="" type="checkbox"/> Amendment / Reply<br><br><input checked="" type="checkbox"/> After Final<br><br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input checked="" type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter | <input type="checkbox"/> Other Enclosure(s)<br><i>(please identify below):</i><br><br><input checked="" type="checkbox"/> 1) Statement of Common Ownership |                          |
|   |   |  |  | <input type="checkbox"/> |

|   |   |
|---|---|
| <b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b> |   |
| Firm or Individual name                           | Kim M. Hagemann   |
| Signature   |  |
| Date  | December 22, 2003   |

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|                       |   |      |                   |
|-----------------------|---|------|-------------------|
| Typed or printed name | Kim M. Hagemann   |      |                   |
| Signature             |  | Date | December 22, 2003 |

This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 110

## Complete if Known

|                      |                        |
|----------------------|------------------------|
| Application Number   | 09/511,445             |
| Filing Date          | 02/22/2000             |
| First Named Inventor | William J. Gordon-Kamm |
| Examiner Name        | Collins, Cynthia E.    |
| Art Unit             | 1638                   |
| Attorney Docket No.  | 1115A                  |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money  Other  None  
Order
 Deposit Account:Deposit  
Account  
Number

16-1852

Deposit  
Account  
Name

Pioneer Hi-Bred International, Inc.

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee  
 to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity  | Small Entity  | Fee Description        | Fee Paid |
|---------------|---------------|------------------------|----------|
| Fee Code (\$) | Fee Code (\$) |                        |          |
| 1001 770      | 2001 385      | Utility filing fee     |          |
| 1002 340      | 2002 170      | Design filing fee      |          |
| 1003 530      | 2003 265      | Plant filing fee       |          |
| 1004 770      | 2004 385      | Reissue filing fee     |          |
| 1005 160      | 2005 80       | Provisional filing fee |          |
| SUBTOTAL (1)  |               |                        | (5) 0    |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Independent Claims | 0            | 0              | 0        |
| Multiple Dependent |              |                | 0        |

## Large Entity

| Large Entity  | Small Entity  | Fee Description  |
|---------------|---------------|--|
| Fee Code (\$) | Fee Code (\$) |  |
| 1202 18       | 2202 9        | Claims in excess of 20                                     |
| 1201 86       | 2201 43       | Independent claims in excess of 3                          |
| 1203 290      | 2203 145      | Multiple dependent claim, if not paid                      |
| 1204 66       | 2204 43       | ** Reissue independent claims over original patent         |
| 1205 18       | 2205 9        | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2)  |               | (5) 0  |

\*\* or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

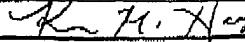
## 3. ADDITIONAL FEES

| Large Entity   | Small Entity  | Fee Description  | Fee Paid |
|--|---------------|--|----------|
| Fee Code (\$)  | Fee Code (\$) |  |          |
| 1051 130   | 2051 65       | Surcharge - late filing fee or oath  |          |
| 1052 50  | 2052 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130   | 1053 130      | Non-English specification  |          |
| 1812 2,520   | 1812 2,520    | For filing a request for reexamination                                     |          |
| 1604 920*  | 1604 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1605 1,840*  | 1605 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110   | 2251 55       | Extension for reply within first month                                     |          |
| 1252 120   | 2252 210      | Extension for reply within second month                                    |          |
| 1253 950   | 2253 475      | Extension for reply within third month                                     |          |
| 1254 1,480   | 2254 740      | Extension for reply within fourth month                                    |          |
| 1255 2,010   | 2255 1,005    | Extension for reply within fifth month                                     |          |
| 1401 330   | 2401 165      | Notice of Appeal   |          |
| 1402 330   | 2402 165      | Filing a brief in support of an appeal                                     |          |
| 1403 290   | 2403 145      | Request for oral hearing   |          |
| 1431 1,510   | 1451 1,510    | Petition to institute a public use proceeding                              |          |
| 1452 110   | 2452 55       | Petition to revive - unavoidable   |          |
| 1453 1,340   | 2453 685      | Petition to revive - unintentional   |          |
| 1501 1,330   | 2501 685      | Utility issue fee (or reissue)   |          |
| 1502 180   | 2602 240      | Design issue fee   |          |
| 1503 640   | 2503 320      | Plant issue fee  |          |
| 1460 130   | 1460 130      | Petitions to the Commissioner  |          |
| 1807 50  | 1807 50       | Processing fee under 37 CFR 1.17 (q)                                       |          |
| 1805 180   | 1806 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40  | 8021 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809 770   | 2809 385      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 1810 770   | 2810 385      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 1801 770   | 2801 385      | Request for Continued Examination (RCE)                                    |          |
| 1802 900   | 1802 900      | Request for expedited examination of a design application                  |          |
| Other fee (specify) Terminal disclaimer fee under 37 CFR 1.20(d) |               |  | 110      |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 110)

## SUBMITTED BY

|                   |   |                                   |        |           |                   |
|-------------------|---|-----------------------------------|--------|-----------|-------------------|
| Name (Print/Type) | Kim M. Hagemann   | Registration No. (Attorney/Agent) | 82,682 | Telephone | (515) 248-4978    |
| Signature         |  |                                   |        | Date      | December 22, 2003 |

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DEC 22 2003

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Gordon-Kamm, William  
Application Number : 09/511,445  
Filing Date : February 22, 2000  
Title : Methods for Using Viral Replicase Polynucleotides and Polypeptides  
  
Group/Art Unit : 1638  
  
Examiner : Collins, Cynthia E.  
Attorney Docket Number : 1115A  
  
Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AFTER FINAL REJECTION**

In response to the Final Office Action of October 29, 2003.